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- 1. A security system for electronic commerce for verifying the authenticity of a 2 user comprising:
 - a server authentication program, said server authentication program being installed in a web-server at a website of a web-service provider.
 - a client software component, said client software component being downloaded and installed at a workstation of the user:
 - said server authentication program being integrated with existing webapplications with the web-service provider and for receiving existing security parameters entered by the user;
 - a biometric scanner, said biometric scanner being activated for identifying characteristics of a biometrics image and for converting the biometrics image into digital data:
 - a device for compressing and encrypting the digital data from said biometric scanner;
 - a device for transmitting the compressed and encrypted data to the web-server:
 - a device for comparing the encrypted data with data stored in a database; and
 - a device for sending status codes of comparison, if comparison is successful, to the web-service provider.
- 2. 1 A security system for electronic commerce for verifying the authenticity of a
- 2 user as claimed in claim 1, wherein the biometrics data is selected from one or more of
- the group consisting of a finger print of one or more fingers of the user, a palm print of 3
 - the user, an iris scan of the user, a retina scan of the user and any other optically
- 5 distinguishable parameter of the user.
- 1 3. A security system for electronic commerce for verifying the authenticity of a
- 2 user as claimed in claim 1, wherein a plurality of sources of biometric data of a single
- user is used to authenticate the identify of the user. 3

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- 1 4. A method of verifying the authenticity of a user with a security system for 2 electronic commerce, comprising the steps of:
- installing a server authentication program in a web-server at a website of a webservice provider;
- downloading and installing a client software component at a workstation of the user;
- integrating said server authentication program with existing web-applications with the web-service provider;
 - receiving existing security parameters entered by the user;
- activating a biometric scanner to identify characteristics of a biometrics image and to convert the biometrics image into digital data;
 - compressing and encrypting the digital data from said biometric scanner;
- transmitting the compressed and encrypted data to the web-server;
 - comparing the encrypted data with data stored in a database; and
 - sending status codes of comparison, if comparison is successful, to the webservice provider.
 - 5. A method of verifying the authenticity of a user with a security system for electronic commerce as claimed in claim 1, further comprising the step of selecting the
 - 3 biometrics data from one or more of the group consisting of a finger print of one or
 - 4 more fingers of the user, a palm print of the user, an iris scan of the user, a retina scan of
 - 5 the user and any other optically distinguishable parameter of the user.
 - 1 6. A method of verifying the authenticity of a user with a security system for
 - electronic commerce as claimed in claim 1, further comprising the step of using a
- 3 plurality of sources of biometric data of a single user to authenticate the identify of the
- 4 user.

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